

Hot Springs National Park

PUBLIC USE COUNTING AND REPORTING INSTRUCTIONS

Following are detailed instructions for collecting and reporting data to be entered on Form 10-157, Revised, Monthly Public Use Report by Hot Springs National Park. These instructions are effective the date of issuance and will continue in effect unless changed by amendment or by memorandum from the Socio-Economic Studies Division to the superintendent approving a requested change.

Each item below describes the procedures to be followed in collecting public use data and summarizing the various elements of those data for entry on the corresponding line on the 10-157, Monthly Public Use Report.

Recreation Visits

1. An inductive loop counter is placed on the exit lane of Hot Springs Mountain. The traffic count is reduced for Non-reportable vehicles (350 per month). The reduced traffic count is multiplied by the persons-per-vehicle (PPV) multiplier of 2.5.
2. An inductive loop counter is placed on the northbound (entrance) lane of West Mountain Summit Drive. The traffic count is reduced for Non-reportable vehicles (250 per month). The reduced traffic count is multiplied by the PPV multiplier of 2.5.
3. An inductive loop counter is placed on the northbound lane of U.S. Highway 70B south of Gulpha Gorge Campgrounds. The traffic count is reduced for Non-reportable vehicles (450 per month). The reduced traffic count is multiplied by 0.05 (May through October) or 0.01 (November through April) to determine recreation vehicles. The recreation vehicle count is multiplied by the PPV multiplier of 2.5.
4. An inductive loop counter is placed on the southbound lane of U.S. Highway 70B north of Gulpha Gorge Campgrounds. The traffic count is reduced for Non-reportable vehicles (200 per month). The reduced traffic count is multiplied by 0.05 (May through October) or 0.01 (November through April) to determine recreation vehicles. The recreation vehicle count is multiplied by the PPV multiplier of 2.5.
5. The number of visitors taking treatments at Libbey Memorial Physical Medicine Center. This is reported by the concessionaire.
6. Electric eye counters are located at the north and south end of the Bathhouse Row sidewalk. The counters are summed together and multiplied by 0.5 to adjust for visitors being counted twice.
7. Visitors using the thermal water jugs are estimated as 10,800 per month. This is calculated as 15 visitors per hour, times 3 fountains, times 8 hours, times 30 days. This number can be verified by a simple survey as needed.

Non-recreation Visits

1. An inductive loop counter is placed on the northbound (exit) lane of West Mountain Drive. The traffic count is reduced for Non-reportable vehicles (250 per month) and recreation vehicles (50 percent of the traffic count on West Mountain Summit Drive). The reduced traffic count is multiplied by 0.65 to adjust for same day reentries. The adjusted traffic count is multiplied by the PPV multiplier of 1.5.
2. An inductive loop counter is placed on the southbound (exit) lane of West Mountain Drive. The traffic count is reduced for Non-reportable vehicles (200 per month) and recreation vehicles (50 percent of the traffic count on West Mountain Summit Drive). The reduced traffic count is multiplied by 0.65 to adjust for same day reentries. The adjusted traffic count is multiplied by the PPV multiplier of 1.5.
3. An inductive loop counter is placed on the northbound lane of U.S. Highway 70B south of Gulpha Gorge Campgrounds. The traffic count is reduced for Non-reportable vehicles (450 per month). The reduced traffic count is multiplied by 0.95 (May through October) or 0.99 (November through April) to determine Non-recreation vehicles. The Non-recreation vehicle count is multiplied by 0.65 to adjust for same day reentries. The adjusted traffic count is multiplied by the PPV multiplier of 1.5.
4. An inductive loop counter is placed on the southbound lane of U.S. Highway 70B north of Gulpha Gorge Campgrounds. The traffic count is reduced for Non-reportable vehicles (200 per month). The reduced traffic count is multiplied by 0.95 (May through October) or 0.99 (November through April) to determine Non-recreation vehicles. The Non-recreation vehicle count is multiplied by 0.65 to adjust for same day reentries. The adjusted traffic count is multiplied by the PPV multiplier of 1.5.

Recreation Visitor Hours

The visitors at each location are multiplied by the length-of-stay multiplier for each location. The subtotal of each location is summed for total recreation visitor hours. See Table 1 for length-of-stays for each location.

Table 1**Recreation Use Visitor Hour Appendix**

LOCATION	LENGTH-OF-STAY
Hot Springs Mountain (Summer) (May - October)	0.8 Hour
Hot Springs Mountain (Winter) (November - April)	0.4 Hour
West Mountain Summit Drive	0.5 Hour
Gulpha Gorge Highway	0.2 Hour
Thermal Jug Fountain	0.2 Hour
Fordyce Bathhouse VC	0.2 Hour
Buckstaff Bathhouse	1.5 Hours
Libbey Mem. Physical MC	1.5 Hours
Bathhouse Row Sidewalk	0.5 Hour
Overnight Stays	20.0 Hours Per Overnight

Non-recreation Visitor Hours

Non-recreation visits are multiplied by 12 minutes (0.2 hour).

Overnight Stays

NPS Campgrounds - Gulpha Gorge

The number of visitors using tent or RV sites is determined by permits issued.

Special Use Data

- Line a. Vehicles on Hot Springs Mountain Drive
- Line b. Vehicles on West Mountain Drive
- Line c. Vehicles on Gulpha Gorge Highway
- Line d. Vehicles on West Mountain Summit Drive
- Line e. Baths at Buckstaff Bathhouse
- Line f. Treatments at Libbey Memorial Physical Medicine Center
- Line g. Visitors on the Bathhouse Row sidewalk
- Line h. Visitors to the Visitor Center
- Line i. Visitors to Mountain Tower
- Line n. The number of tour buses